

Fig.1.

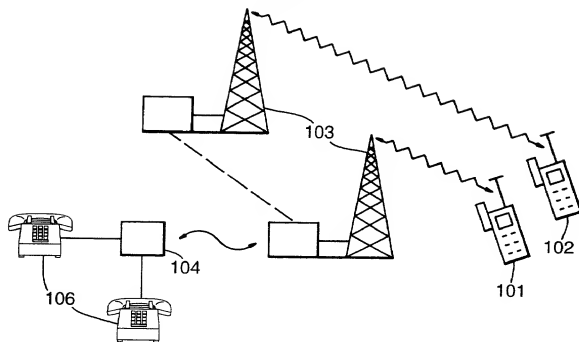


Fig.2.

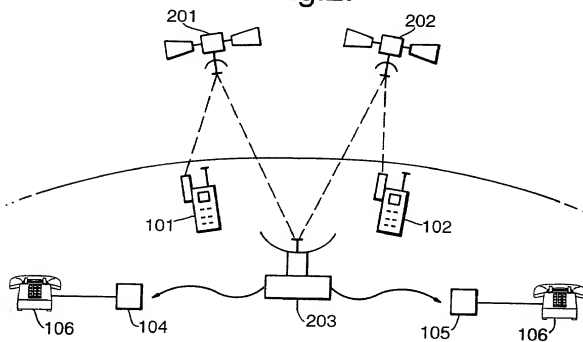
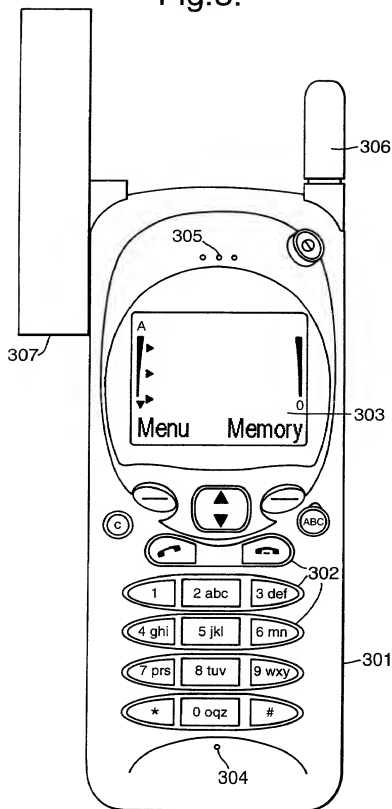


Fig.3.



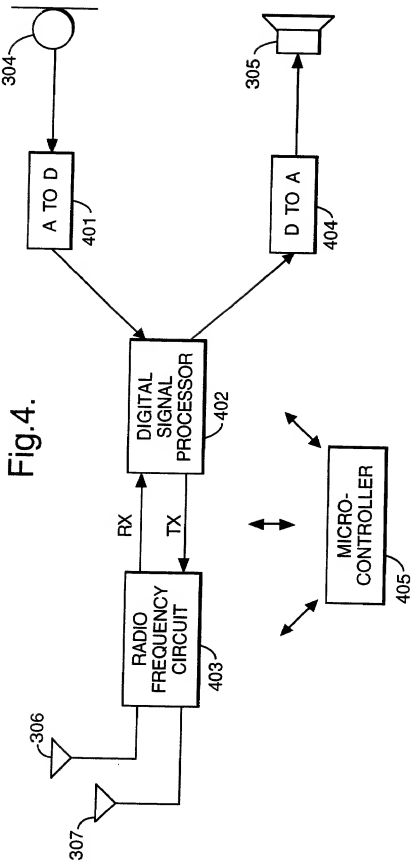
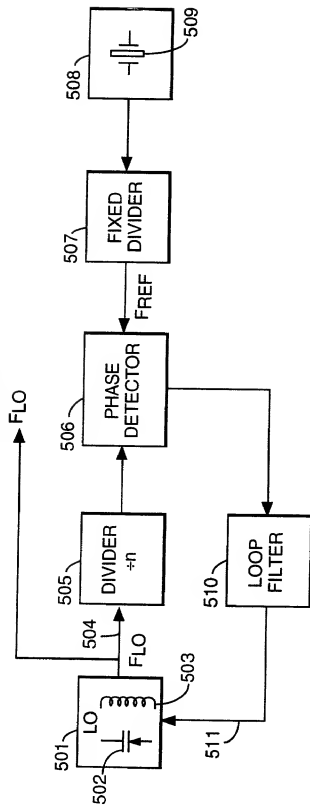


Fig. 5A.



**Fig. 5B.**

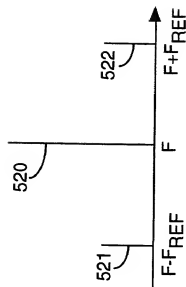


Fig. 6.

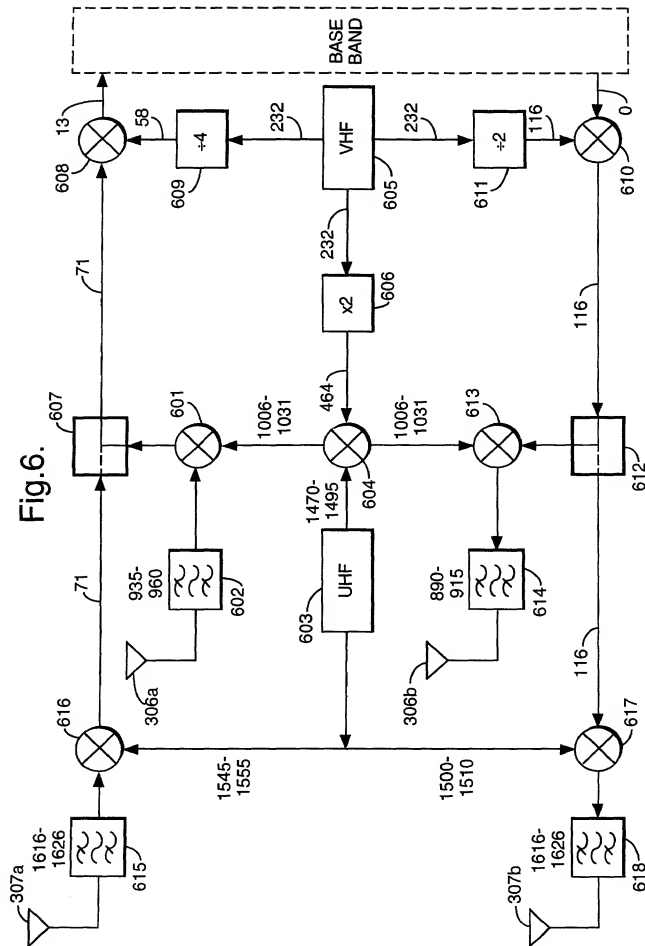
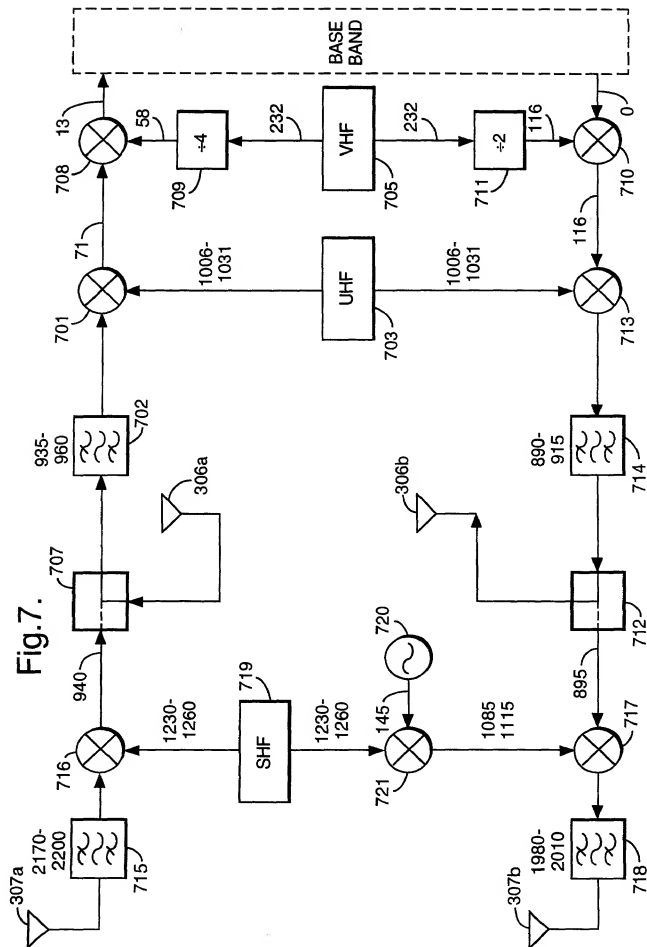


Fig. 7.



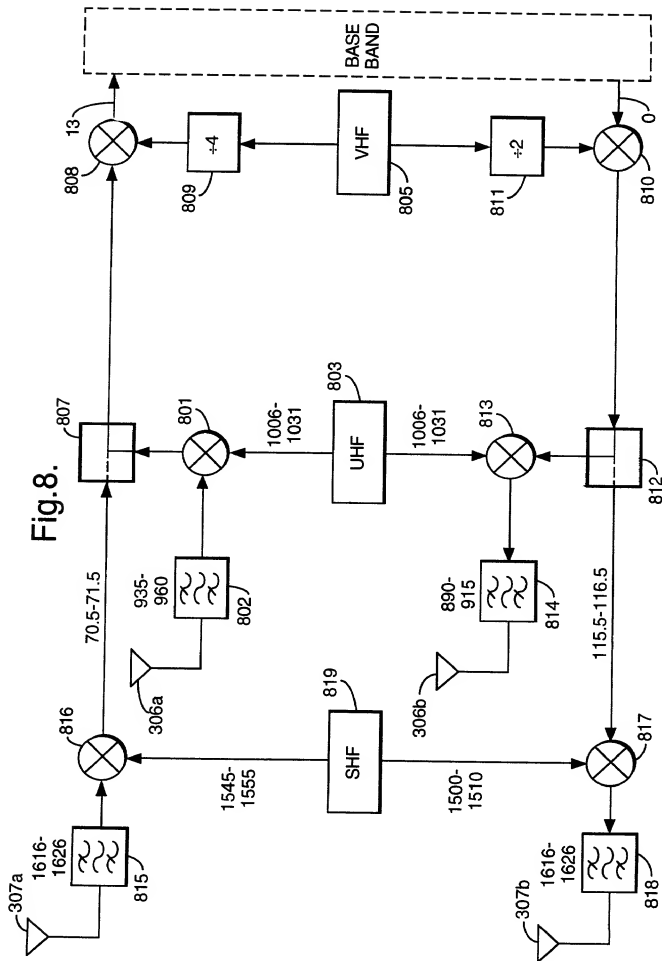






Fig.10.

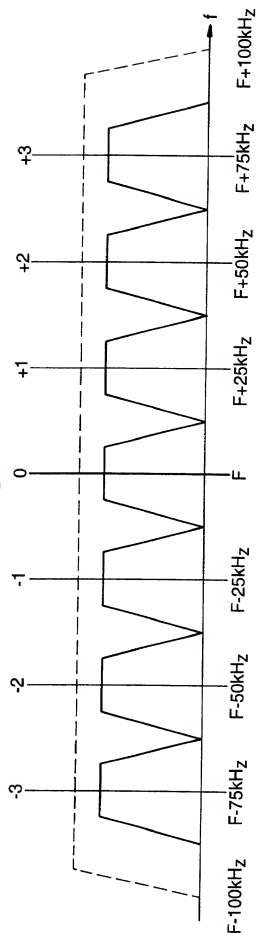


Fig.11.

CHANNEL	IRIDIUM INPUT (MHz)	SHF (MHz)	VHF (MHz)	IRIDIUM IF1 (MHz)	IRIDIUM IF2 (MHz)
8	1616.333	1545.0	233.333	71.333	13.000
9	1616.375	1545.0	233.500	71.375	13.000
10	1616.417	1545.0	233.667	71.417	13.000
11	1616.458	1545.0	233.833	71.458	13.000
12	1616.500	1546.0	230.000	70.500	13.000
13	1616.542	1546.0	230.167	70.542	13.000
14	1616.583	1546.0	230.333	70.583	13.000
15	1616.625	1546.0	230.500	70.625	13.000
16	1616.667	1546.0	230.667	70.667	13.000
17	1616.708	1546.0	230.833	70.708	13.000
18	1616.750	1546.0	231.000	70.750	13.000
19	1616.792	1546.0	231.167	70.792	13.000
20	1616.833	1546.0	231.333	70.833	13.000
21	1616.875	1546.0	231.500	70.875	13.000
22	1616.917	1546.0	231.667	70.917	13.000
23	1616.958	1546.0	231.833	70.958	13.000

Fig.12.

CHANNEL	VHF	IRIDIUM IF1	SHF	IRIDIUM OUTPUT
	(MHz)	(MHz)	(MHz)	(MHz)
8	232.667	116.333	1500.0	1616.333
9	232.750	116.375	1500.0	1616.375
10	232.833	116.417	1500.0	1616.417
11	232.917	116.458	1500.0	1616.458
12	231.000	115.500	1501.0	1616.500
13	231.083	115.542	1501.0	1616.542
14	231.167	115.583	1501.0	1616.583
15	231.250	115.625	1501.0	1616.625
16	231.333	115.667	1501.0	1616.667
17	231.417	115.708	1501.0	1616.708
18	231.500	115.750	1501.0	1616.750
19	231.583	115.792	1501.0	1616.792
20	231.667	115.833	1501.0	1616.833
21	231.750	115.875	1501.0	1616.875
22	231.833	115.917	1501.0	1616.917
23	231.917	115.958	1501.0	1616.958

Fig.13.

CHANNEL	ICO INPUT (MHz)	UHF (MHz)	VHF (MHz)	ICO IF1 (MHz)	ICO IF2 (MHz)	IF2 OFFSET (kHz)	ICO IF3 (MHz)	IF3 OFFSET (kHz)	SLOT
8	2170.200	1236.6	232.0	933.600	71.000	-	13.000	-	-
9	2170.225	1236.6	232.0	933.625	70.975	-25	12.975	-25	-1
10	2170.250	1236.6	232.0	933.650	70.950	-50	12.950	-50	-2
11	2170.275	1236.6	231.9	933.675	71.025	+25	13.050	+50	+2
12	2170.300	1236.6	231.9	933.700	71.000	-	13.025	+25	+1
13	2170.325	1236.6	231.9	933.725	70.975	-25	13.000	-	-
14	2170.350	1236.6	231.9	933.750	70.950	-50	12.975	-25	-1
15	2170.375	1236.6	231.9	933.775	70.925	-75	12.950	-50	-2
16	2170.400	1236.8	232.2	933.600	71.000	-	12.950	-50	-2
17	2170.425	1236.8	232.1	933.625	71.075	+75	13.050	+50	+2
18	2170.450	1236.8	232.1	933.650	71.050	+50	13.025	+25	+1
19	2170.475	1236.8	232.1	933.675	71.025	+25	13.000	-	-
20	2170.500	1236.8	232.1	933.700	71.000	-	12.975	-25	-1
21	2170.525	1236.8	232.1	933.725	70.975	-25	12.950	-50	-2
22	2170.550	1236.8	232.0	933.750	71.050	+50	13.050	+50	+2
23	2170.575	1236.8	232.0	933.775	71.025	+25	13.025	+25	+1

Fig.14.

CHANNEL	SLOT	BB OFFSET (KHz)	VHF (MHz)	UHF (MHz)	ICO IF1 (MHz)	IF1 OFFSET	ICO IF2 (MHz)	ICO OUTPUT (MHz)
8	-	-	232.0	1238.2	116.000	-	890.200	1980.200
9	-1	-25	232.0	1238.2	115.975	-25	890.225	1980.225
10	-2	-50	232.0	1238.2	115.950	-50	890.250	1980.250
11	-1	-25	232.1	1238.4	116.025	+25	890.275	1980.275
12	-2	-50	232.1	1238.4	116.000	-	890.300	1980.300
13	+1	+25	231.9	1238.2	115.975	-25	890.325	1980.325
14	+2	+50	232.0	1238.4	116.050	+50	890.350	1980.350
15	+1	+25	232.0	1238.4	116.025	+25	890.375	1980.375
16	-	-	232.0	1238.4	116.000	-	890.400	1980.400
17	-1	-25	232.0	1238.4	115.975	-25	890.425	1980.425
18	-2	-50	232.0	1238.4	115.950	-50	890.450	1980.450
19	-1	-25	232.1	1238.6	116.025	+25	890.475	1980.475
20	-2	-50	232.1	1238.6	116.000	-	890.500	1980.500
21	+1	+25	231.9	1238.4	115.975	-25	890.525	1980.525
22	+2	+50	232.0	1238.6	116.050	+50	890.550	1980.550
23	+1	+25	232.0	1238.6	116.025	+25	890.575	1980.575